

Bench-Scale Sediment Washing Verification Testing Schedule

Pear Technology - Ground/Water Treatment & Technology, Inc. - Week of July 23, 2012 (1 day)

BioGenesis Enterprises, Inc. - Week of July 30, 2012 (1 day)

General Scope of the Bench-Scale Tests

Bench-scale testing will be performed on representative samples of sediment from the RM 10.9 Removal Area as a first step towards evaluating ex-situ treatment options (June 2012 *Quality Assurance Project Plan, Lower Passaic River Study Area, River Mile 10.9 Characterization Addendum B, Bench-Scale Testing of Sediment Treatment Technologies*). The bench-scale tests will provide the information necessary to perform a preliminary evaluation of the potential effectiveness and implementability of each technology and will also provide a basis for estimating costs for pilot-scale implementation.

Two providers of the sediment washing process will be conducting bench-scale validation tests in their respective laboratories: (1) BioGenesis Enterprises, Inc. and (2) Pear Technology - Ground/Water Treatment & Technology, Inc. Each bench-scale validation test is anticipated to take approximately one-half day. Therefore testing and sampling will be completed within one day at each vendor location. CH2M HILL will be present during the bench-scale testing to oversee the process and collect samples.

The sampling activities to be performed during the bench-scale tests will include collection of untreated sediment (pre-treatment), treated sediment, and waste water generated during the sediment washing process. Additional samples will be collected for QA/QC purposes. Samples will be analyzed for site-specific analytes including: dibenzodioxins/polychlorinated dibenzofurans (PCDDs/PCDFs), polychlorinated biphenyls (PCBs - homologs and congeners), polycyclic aromatic hydrocarbons (PAHs), semi-volatile organic compounds (SVOCs), organochlorine pesticides, chlorinated herbicides, butyltins, Target Analyte List (TAL) metals, low-level mercury, total petroleum hydrocarbon (TPH) -extractables, cyanide, and total organic carbon (TOC). The full analyte list and details regarding the sampling can be found in the *RM 10.9 QAPP Addendum B*.

Vendor Locations for Bench-Scale Testing:

Pear Technology - Ground/Water Treatment & Technology, Inc.

627 Mount Hope Rd, Wharton, NJ 07885

(973) 983-0901

Pear Representative: Robert Kunzel

BioGenesis Enterprises, Inc.

610 West Rawson Ave

Oak Creek, WI 53154

(414) 5271-6230

BioGenesis Representative: John Sontag, Jr. P.E.